# 安装

## CentOS6.9安装Docker

* yum安装的时候是docker-io不是docker：

[root@localhost docker]# **yum -y install docker-io**

Loaded plugins: fastestmirror, refresh-packagekit, security

Setting up Install Process

Loading mirror speeds from cached hostfile

\* base: mirrors.zju.edu.cn

\* extras: mirrors.nju.edu.cn

\* updates: mirrors.nju.edu.cn

No package docker-io available.

Error: Nothing to do

* 提示找不到可用安装包， 需要更新第三方软件库

[root@localhost docker]# **yum install epel-release**

* 然后重新安装：

[root@localhost docker]# **yum -y install docker-io**

* 查看版本：

[root@drrile-docker ~]# **docker version**

Client version: 1.7.1 【客户端版本】

Client API version: 1.19

Go version (client): go1.4.2

Git commit (client): 786b29d/1.7.1

OS/Arch (client): linux/amd64

Get http:///var/run/docker.sock/v1.19/version: dial unix /var/run/docker.sock: no such file or directory. Are you trying to connect to a TLS-enabled daemon without TLS? 【docker info】

* 启动docker

[root@drrile-docker ~]# **service docker start**

Starting docker: [ OK ]

* 查看启动后的docker版本

[root@drrile-docker ~]# docker version

Client version: 1.7.1 【客户端版本】

Client API version: 1.19

Go version (client): go1.4.2

Git commit (client): 786b29d/1.7.1

OS/Arch (client): linux/amd64

Server version: 1.7.1 【服务端版本】

Server API version: 1.19

Go version (server): go1.4.2

Git commit (server): 786b29d/1.7.1

OS/Arch (server): linux/amd64

* 查看docker info：

[root@drrile-docker ~]# **docker info**

Containers: 0

Images: 0

Storage Driver: devicemapper

Pool Name: docker-253:0-263918-pool

Pool Blocksize: 65.54 kB

Backing Filesystem: extfs

Data file: /dev/loop0

Metadata file: /dev/loop1

Data Space Used: 305.7 MB

Data Space Total: 107.4 GB

Data Space Available: 5.872 GB

Metadata Space Used: 729.1 kB

Metadata Space Total: 2.147 GB

Metadata Space Available: 2.147 GB

Udev Sync Supported: true

Deferred Removal Enabled: false

Data loop file: /var/lib/docker/devicemapper/devicemapper/data

Metadata loop file: /var/lib/docker/devicemapper/devicemapper/metadata

Library Version: 1.02.117-RHEL6 (2016-12-13)

Execution Driver: native-0.2

Logging Driver: json-file

Kernel Version: 2.6.32-696.el6.x86\_64

Operating System: <unknown>

CPUs: 1

Total Memory: 1.959 GiB

Name: drrile-docker

ID: C25K:R56D:XQAG:QEG7:FIDI:EMGV:WZ2C:NDU7:HSYC:Z6MJ:PQGO:CCJR

* 查看docker的网络设置：

[root@drrile-docker ~]# **ip addr**

1: lo: <LOOPBACK,UP,LOWER\_UP> mtu 65536 qdisc noqueue state UNKNOWN

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

inet6 ::1/128 scope host

valid\_lft forever preferred\_lft forever

2: eth0: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc pfifo\_fast state UP qlen 1000

link/ether 08:00:27:33:2b:5e brd ff:ff:ff:ff:ff:ff

inet 192.168.137.200/24 brd 192.168.137.255 scope global eth0

inet6 fe80::a00:27ff:fe33:2b5e/64 scope link

valid\_lft forever preferred\_lft forever

3: docker0: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc noqueue state UNKNOWN

link/ether fe:33:1f:7f:04:3a brd ff:ff:ff:ff:ff:ff

inet 172.17.42.1/16 scope global docker0 【这个ip地址只能在该服务器内部访问】

inet6 fe80::fc33:1fff:fe7f:43a/64 scope link

valid\_lft forever preferred\_lft forever

# 配置

## 配置文件 /etc/sysconfig/docker

[root@drrile-docker ~]# cat /etc/sysconfig/docker

**docker** **docker-network** **docker-storage**

[root@drrile-docker ~]# **cat /etc/sysconfig/docker**

# /etc/sysconfig/docker

#

# Other arguments to pass to the docker daemon process

# These will be parsed by the sysv initscript and appended

# to the arguments list passed to docker -d

other\_args=

DOCKER\_CERT\_PATH=/etc/docker

# Resolves: rhbz#1176302 (docker issue #407)

DOCKER\_NOWARN\_KERNEL\_VERSION=1

# Location used for temporary files, such as those created by

# # docker load and build operations. Default is /var/lib/docker/tmp

# # Can be overriden by setting the following environment variable.

# # DOCKER\_TMPDIR=/var/tmp

# 日志

## 日志文件 /var/log/message | grep docker

# 命令

## search

|  |
| --- |
| [root@drrile-docker ~]# docker search -h  Usage: docker search [OPTIONS] TERM  Search the Docker Hub for images  --automated=false Only show automated builds  --help=false Print usage  --no-trunc=false Don't truncate output  -s, --stars=0 Only displays with at least x stars |

[root@drrile-docker ~]# docker search java 【报错】

Error response from daemon: Get https://index.docker.io/v1/search?q=java: dial tcp 52.204.111.1:443: i/o timeout

修改docker配置文件参数：

[root@drrile-docker ~]# **vi /etc/sysconfig/docker**

|  |
| --- |
| # /etc/sysconfig/docker  #  # Other arguments to pass to the docker daemon process  # These will be parsed by the sysv initscript and appended  # to the arguments list passed to docker -d  other\_args="--exec-driver=lxc --selinux-enabled"  DOCKER\_CERT\_PATH=/etc/docker  # Resolves: rhbz#1176302 (docker issue #407)  DOCKER\_NOWARN\_KERNEL\_VERSION=1  # Location used for temporary files, such as those created by  # # docker load and build operations. Default is /var/lib/docker/tmp  # # Can be overriden by setting the following environment variable.  # # DOCKER\_TMPDIR=/var/tmp |

再次执行search命令成功

[root@drrile-docker ~]# docker search java

## pull

## images